

Converting Colors

$Y_{xy}(47.3469, 0.3437, 0.2867)$

Have a look what the booklet for
Yxy(47.3469, 0.3437, 0.2867)
contains.

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Color

Yxy(47.1666, 0.3441, 0.2866)

Conversions

Conversions Part 1

Format	Color
Hex	E8A2C8
RGB	232, 162, 200
RGB Percent	91%, 64%, 78%
CMY	0.0901, 0.3647, 0.2156
CMYK	0.00, 0.30, 0.14, 0.09
HSL	327°, 60%, 77%
HSV	327°, 30%, 91%
XYZ	56.6295, 47.1666, 60.7768
YIQ	187.2620, 29.5220, 26.6580

Conversions

Conversions Part 2

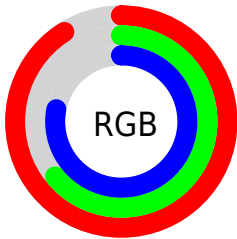
Format	Color
R _{YB}	232, 162, 200
Decimal	15246024
CIE Lab	74.30, 31.52, -8.99
CIE LCh	74, 32.780, 344.083
Yxy	47.1666, 0.3441, 0.2866
Android (android.graphics.Color)	4293436104 (0xFFE8A2C8)
YUV	187.2620, 6.2798, 39.2352
Hunter-Lab	68.6779, 26.9987, -4.3943

Details

The Yxy color $47.1666, 0.3441, 0.2866$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $69.2963, 0.2901, 0.3758$, and the grayscale version is $49.8029, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.1057, 0.3145, 0.2920$, and $22.1266, 0.3523, 0.2751$ is the 20% darker color. If you saturate the color by 10%, you get $39.2566, 0.3586, 0.2722$, and if you desaturate by 10%, it is $56.6232, 0.3318, 0.3011$.

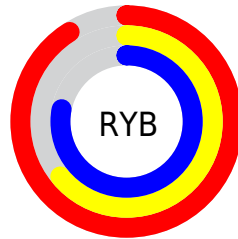
Distribution



Red (91%)

Green (64%)

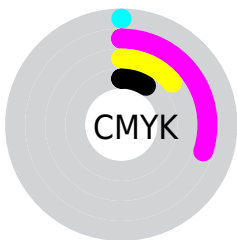
Blue (78%)



Red (91%)

Yellow (64%)

Blue (78%)

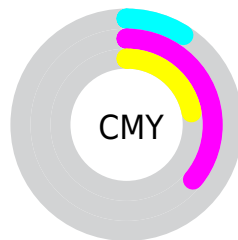


Cyan (0%)

Magenta (30%)

Yellow (14%)

Black (9%)



Cyan (9%)


Magenta (36%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1666, 0.3441, 0.2866 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 47.1666, 0.3441, 0.2866 by changing the saturation by 10% instead.

 47.1666, 0.3441,
0.2866


 47.1666, 0.3441,
0.2866

375.4791, 0.3288,
0.3070

 33.1674, 0.3478,
0.2817


 85.9623, 0.3386,
0.2939

 22.2547, 0.3525,
0.2756


 111.5275, 0.3365,
0.2966

 14.0442, 0.3586,
0.2676


141.7168, 0.3348,
0.2990

 8.1514, 0.3670,
0.2569

176.9147, 0.3333,
0.3010

 4.1920, 0.3790,
0.2418

217.5054, 0.3319,
0.3028

 1.7815, 0.3977,
0.2187

263.8735, 0.3308,

 0.4756, 0.4396,

0.3044

0.1631

316.4033, 0.3297,
0.3058

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.1666, 0.3441,
0.2866

47.1666, 0.3441,
0.2866

39.2566, 0.3586,
0.2722

56.6232, 0.3318,
0.3011

32.8029, 0.3755,
0.2587

67.6972, 0.3214,
0.3153

27.7160, 0.3945,
0.2472

80.4630, 0.3129,
0.3288

23.8935, 0.4154,
0.2388

94.9882, 0.3057,
0.3414

■ 21.2185, 0.4374,
0.2348

■ 95.7716, 0.2998,
0.3309

■ 19.5521, 0.4595,
0.2361

■ 95.8981, 0.2988,
0.3290

■ 18.6647, 0.4805,
0.2421

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.1666, 0.2976, 0.2639



47.1666, 0.3441, 0.2866



47.1666, 0.3840, 0.3192

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.1666, 0.3441, 0.2866



47.1666, 0.3658, 0.4095



47.1666, 0.2299, 0.2916

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47.1666, 0.3441, 0.2866



69.2963, 0.2901, 0.3758

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.1666, 0.2453, 0.3332



47.1666, 0.3441, 0.2866



47.1666, 0.3225, 0.4067

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.1666, 0.3441, 0.2866



47.1666, 0.3960, 0.3891



47.1666, 0.2785, 0.3776



47.1666, 0.2345, 0.2646

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.1666, 0.3441, 0.2866



47.1666, 0.3998, 0.3436



47.1666, 0.2785, 0.3776



47.1666, 0.2328, 0.3043

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47.1688, 0.3441, 0.2866



85.5643, 0.3204, 0.3169



43.0703, 0.2839, 0.2465



17.8498, 0.3218, 0.3148



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.1688, 0.3441, 0.2866



52.3325, 0.3526, 0.2779



45.7323, 0.3771, 0.3252



14.4983, 0.3208, 0.3163



10.3863, 0.4772, 0.2403



0.7862, 0.4481, 0.2242

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.1688, 0.3441, 0.2866



52.3325, 0.3526, 0.2779



71.0318, 0.2711, 0.3330



14.4983, 0.3208, 0.3163



10.3863, 0.4772, 0.2403



0.7862, 0.4481, 0.2242

Previews

White Background



This preview shows how the Yxy color 47.1666, 0.3441, 0.2866 looks on a white background.

Color Contrast Check

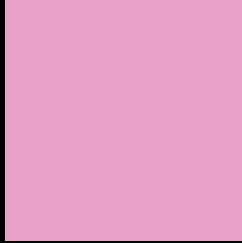
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 47.1666, 0.3441, 0.2866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1666, 0.3441, 0.2866

Background



This preview shows how black text looks on a background with the Yxy color 47.1666, 0.3441, 0.2866.



This preview shows how white text looks on a background with the Yxy color 47.1666, 0.3441, 0.2866.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

47.1666, 0.3441, 0.2866

Protanopia

47.6071, 0.2855, 0.2900

Deuteranopia

47.3413, 0.3113, 0.3054



Tritanopia

47.1851, 0.3602, 0.3142

Trichromacy



Original Color

47.1666, 0.3441, 0.2866

Protanomaly

47.0843, 0.3052, 0.2889

Deuteranomaly

46.9922, 0.3230, 0.2979

Tritanomaly

47.3211, 0.3538, 0.3041

Monochromacy



Original Color

47.1666, 0.3441, 0.2866

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.3431, 0.3231, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1666, 0.3441, 0.2866 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(232, 162, 200)` looks like.

```
.text, #text, p{  
    color:rgb(232, 162, 200)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(232, 162, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 162, 200) }
```

Border

The CSS property to change the border of an element to Yxy 47.1666, 0.3441, 0.2866 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(232, 162, 200) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(232, 162, 200) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(232, 162, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 162, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 162, 200);  
box-shadow:4px 4px 4px 4px rgb(232, 162,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1666, 0.3441, 0.2866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 162, 200) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(232,  
162, 200) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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